

Monowave 50



Synthesis reactor

Simplify Synthesis – Monowave 50

A completely new concept for small-scale synthesis reactions: a compact synthesis reactor with the smallest footprint, rapid heating, easy handling and intuitive programming.

The all-new Monowave 50 simplifies your synthesis.

It's that simple.

Monowave 50 is your budget-friendly easy-to-operate reactor.

All you need is the Monowave 50, a 10 mL glass vial, a silicone cap and your chemicals. Vials are easily sealed with reusable silicon caps. The intuitive software allows the quickest and easiest method programming on the integrated, capacitive touchscreen.

So small

At 20 cm by 40 cm, Monowave 50 needs only minimum lab space.

Serving your needs

Monowave 50 is specially designed for educational purposes and meets the needs of primary research. With this closed system, reaction times are shortened considerably and your efficiency is increased



Glass vials with silicone cap and stir bar





So easy

To start the run, simply close the cover with one hand and press start. Automatic safety locking is applied.

Everything under control

Monowave 50 is equipped with an integrated temperature contact sensor and an overpressure controller. The instrument is also available with an integrated pressure sensor allowing simultaneous display of the pressure conditions in the reaction vial. The built-in magnetic stirrer ensures proper agitation and temperature homogeneity in the vial.

Versatile synthesis

- ▶ Condensation reactions
- ▶ Nucleophilic substitutions
- ▶ Cycloadditions
- ▶ Metal-catalyzed coupling reactions
- ▶ Ionic liquid syntheses
- ▶ Grignard reactions

... and many more

Specifications

Max. temperature	250 °C
Max. pressure	20 bar (290 psi)
Operation volume	2 mL to 6 mL
Magnetic stirring	From 300 rpm to 1200 rpm

